

Licence # 6163

Full licence available at:

<http://www.epa.nsw.gov.au/prpoeoapp/ViewPOELicence.aspx?DOCID=38801&SYSUID=1&LICID=6163>

Tomago Aluminium Company Limited

638 Tomago Road, Tomago NSW 2322

Monitoring Period:

Nov 2017 - Oct 2018

EPA Monitoring Point	1	2	3	4	5	6	7	8	9	30
Descriptor	Line 1 West Stack	Line 1 East Stack	Line 2 West Stack	Line 2 East Stack	Anode Plant 1 Stack	Anode Plants 2&3 Stack	Line 3 West Stack	Line 3 East Stack	Line 1&2 Extension Stack	Total smelter emissions sum of point sources
<b>Total Solid Particles, mg/m3</b>	4.5	26	11	17	5.0	8.9	4.5	18	10	
Monitoring frequency requirement	Annually	Annually	Annually	Annually	Annually	Annually	Annually	Annually	Annually	
Date Tested	30/01/2018	20/03/2018	25/05/2018	23/01/2018	16/07/2018	18/07/2018	30/04/2018	27/06/2018	24/08/2018	
Date Results Available	26/02/2018	23/03/2018	28/05/2018	24/01/2018	22/08/2018	22/08/2018	2/05/2018	28/06/2018	24/08/2018	
Date Published	12/04/2018	12/04/2018	18/06/2018	9/02/2018	10/09/2018	10/09/2018	8/05/2018	11/07/2018	10/09/2018	
Licence Limit, mg/m3	50	50	50	50	50	50	50	50	50	
Exceedance?	No	No	No	No	No	No	No	No	No	
<b>Nitrogen Oxides, g/m3</b>					0.11	0.095				
Monitoring frequency requirement					Annually	Annually				
Date Tested					16/07/2018	18/07/2018				
Date Results Available					22/08/2018	22/08/2018				
Date Published					10/09/2018	10/09/2018				
Licence Limit, mg/m3					2.0	2.0				
Exceedance?					No	No				
<b>Total PAH's, mg/m3</b>					0.037	0.67				
Monitoring frequency requirement					Annually	Annually				
Date Tested					17/07/2018	19/07/2018				
Date Results Available					22/08/2018	22/08/2018				
Date Published					10/09/2018	10/09/2018				
<b>Fluoride, kg F / t Al</b>										0.48
Monitoring frequency requirement										Calculation at End of Licence Year
Date Results Available										31/10/2018
Date Published										13/11/2018
Licence Limit, mg/m3										0.56**
Exceedance?										No

Notes:

There are no applicable licence limits for Total PAH's

mg/m3 = milligrams per cubic metre

g/m3 = grams per cubic metre

kg F / t Al = kilograms fluoride per tonne aluminium produced

\*\*This limit may be exceeded to a maximum of 0.6 one year out of every five

Comments on exceedances: \_\_\_\_\_

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Monitoring Period:

Nov 2017 - Oct 2018

EPA Monitoring Point	31	32	33	34
Descriptor	No.1 Paste Plant, Pitch Circuit Stack	No.1 Paste Plant, Proportioning Circuit Stack	No.2 Paste Plant, Pitch Circuit Stack	No.2 Paste Plant, Proportioning Circuit Stack
<b>Total Solid Particles, mg/m3</b>	32	6.2	7.8	2.1
Monitoring frequency requirement	Annually	Annually	Annually	Annually
Date Tested	5/07/2018	5/07/2018	6/07/2018	16/08/2018
Date Results Available	20/09/2018	20/09/2018	20/09/2018	20/09/2018
Date Published	16/10/2018	16/10/2018	16/10/2018	16/10/2018
Licence Limit, mg/m3	50	50	50	50
Exceedance?	No	No	No	No
<b>Total PAH's, mg/m3</b>	1.0	0.15	1.9	1.3
Monitoring frequency requirement	Annually	Annually	Annually	Annually
Date Tested	5/07/2018	5/07/2018	6/07/2018	16/08/2018
Date Results Available	20/09/2018	20/09/2018	20/09/2018	20/09/2018
Date Published	16/10/2018	16/10/2018	16/10/2018	16/10/2018
Licence Limit, mg/m3	2.0	2.0	2.0	2.0
Exceedance?	No	No	No	No
<b>Benzo(a)pyrene, mg/m3</b>	0.00015	<0.000018	0.000055	0.00013
Monitoring frequency requirement	Annually	Annually	Annually	Annually
Date Tested	5/07/2018	5/07/2018	6/07/2018	16/08/2018
Date Results Available	20/09/2018	20/09/2018	20/09/2018	20/09/2018
Date Published	16/10/2018	16/10/2018	16/10/2018	16/10/2018
Licence Limit, mg/m3	0.05	0.05	0.05	0.05
Exceedance?	No	No	No	No

Notes:

mg/m3 = milligrams per cubic metre

NYA = Not Yet Available

Comments on exceedances: \_\_\_\_\_

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Monitoring Period:

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EPA Monitoring Point	38	
Descriptor	Deline/Regain Spent Potliner Dust Filter	
	<b>Total Solid Particles, mg/m3</b>	<b>Fine Particulates, mg/m3</b>
	1.7	0.68
Monitoring frequency requirement	Annually	Annually
Date Tested	23/01/2018	23/01/2018
Date Results Available	1/02/2018	1/02/2018
Date Published	9/02/2018	9/02/2018
Licence Limit, mg/m3	20	10
Exceedance?	No	No

Notes:

mg/m3 = milligrams per cubic metre

NYA = Not Yet Available

Comments on exceedances: \_\_\_\_\_